

Listing of Claims:

Claims 1-19 (Canceled).

20. (New) A composition comprising a polydisperse mixture of polypeptides composed of glutamic acid, lysine, alanine and tyrosine, wherein the mixture has an average molecular weight of about 4 to about 9 kilodaltons.

21. (New) The composition of claim 20, wherein over 75% of the polypeptides of the mixture, on a molar fraction basis, have a molecular weight in a range of about 2 kilodaltons to about 20 kilodaltons.

22. (New) The composition of claim 20, wherein less than 5% of the polypeptides of the mixture have a molecular weight of over 40 kilodaltons.

23. (New) The composition of claim 22, wherein over 75% of the polypeptides of the mixture, on a molar fraction basis, have a molecular weight in a range of about 2 kilodaltons to about 20 kilodaltons.

24. (New) The composition of claim 23, wherein the mixture has an average molecular weight of 6.25 to 8.4 kilodaltons.

25. (New) The composition of claim 20, wherein the mixture has an average molecular weight of about 4 to about 8.6 kilodaltons.

26. (New) The composition of claim 20, wherein the mixture has an average molecular weight of about 5 to about 9 kilodaltons.

27. (New) The composition of claim 20, wherein less than 2.5% of the polypeptides of the mixture have a molecular weight of over 40 kilodaltons.

28. (New) The composition of claim 27, wherein over 75% of the polypeptides of the mixture, on a molar fraction basis, have a molecular weight in a range of about 2 kilodaltons to about 20 kilodaltons.

29. (New) The composition of claim 28, wherein the mixture has an average molecular weight of 6.25 to 8.4 kilodaltons.

30. (New) The composition of claim 20, wherein the mixture has a molecular weight distribution substantially as depicted in the curves of Figure 1 or Figure 2 in which the average molecular weight is about 7.7 kDa.

31. (New) A pharmaceutical composition comprising a dose therapeutically effective to treat multiple sclerosis of the composition of any of claims 20-30.

32. (New) A method for treating a patient suffering from multiple sclerosis comprising administering to a patient in need thereof the composition of claim 31.